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FLORIDA SKIP

VOLUME 13 NO. 5

THE ALL-FLORIDA RADIO AMATEUR'S PUBLICATION

OCTOBER / 1969

Price 20c

Hurricane Camille Report

K. Smith, W4MQQ,
Mgr WFPN

Hurricane Camille hit the Mississippi coast with a fury never before recorded for another hurricane, and the West Florida Phone Net was in emergency session even before Camille went landward. Indeed the net was in emergency session, either directed or undirected, for 96 consecutive hours, and even now the net is continuing to furnish communications for traffic into and out of the disaster area.

No one who checked into the net during its emergency operation can help but feel a sense of pride. The admiration and praise for the net came from numerous hams throughout the South, with W4TYH, who listened in on many emergency nets as a liaison station, summing it up best. He praised the net as being the best organized, most efficient emergency communication organ that he had listened in on. Our net training in traffic passage and control has paid off, and should continue to be of primary importance.

There were far too many stations that checked in and did tremendous jobs to be mentioned individually, but a few stations did outstanding work above and beyond the call of duty. While the net handled in excess of 600 messages, the club station as Pensacola, WA4-ECY, was on the net frequency 24 hours a day and handled approximately 500 priority and emergency messages into and out of the disaster area. In ad-



HERE IS W4MQQ Cuyler Smith of Tallahassee, Net Mgr. of the West Florida Phone Net. The Net stayed in session 96 consecutive hours during and following Camille's destructive path. Cuyler is also Asst. Sec. West Fla. and EC for Leon County. He spent over 60 hours on the net while in emergency session.
(Photo by W4IKB)

dition to this they acted as a much needed NSC.

Several members of the net deserve special commendation for carrying the stations into the area to provide much needed addition communications. K4-VFY and several of his friends set up a station in Pass Christian, Miss. Other stations that went into the area were WB4-EQU, WA4LBM, WA4IMC, and K4CFS. Others probably went in, but I haven't heard about them yet.

All and All, the hurricane proved that we have a very efficient and extremely good net in the West Florida Phone Net. Your many hours of hard work

and continued dedication to the net brought it this far. The only regret I have is that Camille had to happen to prove what a good net we have. With a sad heart for the people of Mississippi I say congratulations and well done members of the West Florida Phone Net.

Grid Leaks

When you boys argue about whose "S" meter readings are correct remember that Confucius say: "S" meter reads highest when receiver is turned off".

ONYX

Florida QSO Party In 1970

The Florida QSO Party will be held the first part of 1970. Somewhere around mid-April. We will publish the exact date and rules shortly. In the meantime how about getting in your suggestions on rule changes ASAP. We must have these by October 10th in order to get the info to the national amateur radio publications in time. All comments to Box 501, Miami Springs, Fla. 66166 - 73 Charlie Trice, WA4RRB, QSO Chairman.

SCM Nominees

To date we know of two SCM nominees for Eastern Florida. John F. Porter, W4-KGJ of Miami and Ronald L. Locke, W4YPX of Jacksonville. In Western Florida the only candidate is Frank M. Butler, Jr., W4RKH.

All full ARRL members in E. Fla. will receive ballots shortly. All are urged to mark your choice and return the ballot to ARRL Hq. soon as possible. Exercise your right as an ARRL member to vote for the candidate of your choice.

LATE FLASH!

We just received word that Larry E. Price, W4DQD of Statesboro, Georgia is running for Vice Director of the Southeastern ARRL Division. Larry, 35, ex W5TIA, K7BIT and K9-MJA is a college professor of finance at Georgia Southern College. He holds B.S.E.E., M.B.A. and Ph.D., Life member of ARRL is active on UHF and DX bands. He holds a DXCC. Good luck Larry.



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J. R. Hopkin Jr. AFC4BND

A recent aircast referring to the recent hurricane along the gulf coast brought up an interesting point. It explained, and rightly, that use of ARRL and MTX numbered texts was desirable during these times when time was at a particular premium. If you think about it for a minute, you will probably come to the same conclusion that I did, many times these numbered texts say what is being conveyed in the message much better than I had it. Usually the appropriate message can be found for most anything that needs saying.

With the winter-time holidays just around the corner it might be time to start thinking about the increased use of these texts. It will eliminate that one sloppy guy that always handles your messages and gets them through not quite the way you sent it originally.

Another thought along this line might be that with the number of groups limited to 25 or less a little time and thought could possibly stretch your message out to a paragraph and more, yet not exceed the normal limit. Okay, you say, how do I get some stranger over the phone to become aware of these



RECENTLY THE DAYTONA Beach Amateur Radio Assn. held its 13th anniversary Banquet. Seated around the outside edge from left to right we have: WA4PNH, Secy.; WA4OQX Past Pres. and XYL Pat. Standing, Dr. Joseph F. Snyder Jr., Guest speaker, WA4JCP, Pres. and XYL Pat. Inside left W4OSB and right K4GJ and XYL. (Photo by WA4ONZ)

possibilities? If you have gotten this far you can read and, I hope, suggest these time proven aids to someone who at best has only a nebulous idea of how to go about what is common place to you.

To touch on the recent hurricane disaster for a bit, I find what is expected from most of you, excellence in service. My congratulations to you all and I would hope you were all as well rewarded as I was. My reward? The thanks of a grateful mother when she found out her son and family were alive and well after not knowing for about three days. Beats money everytime.



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Camporee Success

Gene Burton WA4YNW

The Brandon Amateur Radio Society's First Annual Ham Camporee, August 22-24 was a success. While the number of campers was not great, the enthusiasm ran high, and to a man, everyone said, "Let's do it again next year." Twenty-three hams made the scene. Most areas of the state were represented except the Jacksonville and Miami areas. Erich W4JKO came first and left last.

When you add to the above several XYL's and loads of Harmonics, you have quite a crowd. There were more hours spent in the old swimming hole than there were on the rigs. Of course, jawing was the order of the day.

The tree-top antenna demonstration by Mac W4IKB, with help from Dick W4KCA, was the talk of the entire week end. With everything still in the car trunk, Mac got out a 75 meter antenna, put it up, got out a rig, hooked it up and was checking SWR in 7 minutes. If you don't think it was a hot antenna, ask Case W4NGR. Mac's 45 foot high two meter vertical worked equally well. There were antennas "growing" from trees all over the place.

Saturday night brought the pot luck dinner, with plenty of delicious food. The campfire followed, with music, games for the kids, and story telling. Current thinking is that we will meet again in early June somewhere in North Central Florida.



- CLUB NEWS -

SOUTH MIAMI RADIO CLUB

By Ernie K4KIC

In spite of our low summer time attendance those of us that are keeping things going seem to be finding plenty of interesting projects to keep us busy. One of our projects was setting up an active Ham station at the



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QSL MANAGER.

J.R. Baker, W4LR,
1402 Orange Street
Melbourne, Fla. 32951

Boy Scout troop which meets in the same church as our club. Two tables were set up with amateur literature on how to become a ham along with various components used in constructing gear. Ernie K4KIC set up his Swan 350 using his mobile antenna by running coax out the window and making some contacts and letting the boys do some talking on the air which gave them a good understanding of how ham radio works. Joe WB4HHS our Pres. gave a very interesting talk on what hams do in emergency work and how to start in becoming a ham. John Porter our Vice Pres. gave a talk on the workings of the ARRL and the part they play in ham radio. The evening was well spent and we are sure there will be some new hams in the making.

Trying to make the club interesting for all, we decided to do something of interest for the XYL's and harmonics so we had a family outing down on the Keys. Due to the kindness of Joe's family who have a beautiful home on the Gulf on Islamorada, we drove down on Sunday each bringing their own food and fishing gear. We had a combined picnic and QSO party. Again setting up the Swan 350 and a 20 mtr. dipole gave out South Miami Radio Club Certificates for each contact made. We logged about 35 contacts and had many stations calling us for the award when we had to close down and get ready to go home. Swelling the attendance along with our regular members was Betty, Andy and the six little Clarks which we were very happy to have join us.

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W4NVU

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DADE RADIO CLUB

Bob Kirschenbaum WB4JDG

Well, here we are again at the end of another summer and the membership of the club is together again and on the increase. The club will eventually have its station back on the air again, someday! Once the museum gets our station room partitioned off. Speaking of the museum, there will be a showcase put on by the museum affiliates, the Dade Radio Club which is an affiliate will have its own exhibit at the show so plan to attend the admission will be \$1.00 for adults and 25¢ for students. The date Oct. 18, 19.

There was some joking around and kidding about the merits and demerits of the directorship, but after all the kidding and discussions were done the club decided to support Dick Jones W4BTM in his bid for the directorship.

Some members paid their dues at the Sept. 2 meeting to the surprise of all others at how quickly the year went and how soon we would have to start talking about "Hambooree".

The meeting was closed and refreshments were enjoyed by all. Now I will close this column, until next month 73.

GULFSTREAM SOCIETY OF AMATEUR RADIO OPERATORS, INC.

By Al Suhr, WB4AID

There are only two subjects that should be written about this month. One good - One not so good. Both will affect the Society for many months to come.

We lost a valued member! Floyd Jones, WA4IX5, has moved to LaBelle. To say that Floyd will be missed would be a masterpiece of understatement. His handy hand will be missed - always had a tool of some kind in his hands. Turned our real nice work, knew what he was about to do and got the job done. This is the kind a reliability that is so needed in any organization. - This is what we have the most of in our Society. - This is one of our greatest prides. Floyd is a Soil Conservationist with the Department of Agriculture, he will continue working with the Department in The La Belle office. Members of the Society made a Sunday project of unrigging his antenna farm for shipment. We plan to make another Sunday project of the "raisin'" when he is ready. We wish Floyd and Dottie all of the best in their new location.

The FM Facility Committee, Chairman Richard Kidder, WB4AKH, is very proud to announce that the repeater is ready for operation. It has been tested and found most satisfactory. WB4AKH is responsible for the design and construction of this unit as well as several control positions that will be in service. We are all trying to learn as much about FM as possible, this is another responsibility that Dick will carry forward. His helpers have been, WB4AID and John Szymanski, WB4EGU. The 29th of August was an examination date -

City Commissioner George H. Ingesson of the City of Lake Worth was given a demonstration of the basic operation. Arnold Ernst of the Sun-Sentinel was there taking pictures - Nancy Powell, Lake Worth staff of the Sun-Sentinel is preparing an article in this connection.

A new member was welcomed at our regular business meeting. Claude A. Edwards, K4RTK, is Chief of the Plant maintenance of Palm Beach Junior College. An avid ham, Claude will serve on anything to which assigned.

I.R.A.R.C. NEWS

By S. T. Walker, Sr. W4EWB

The value of emergency communications and preparedness cannot be over emphasized. Hurricane Camille can attest for this. Not only was she so destructive on the Gulf Coast but after traveling over the Southeastern U.S., she caused heavy flooding in Virginia. I talked with people in that area and as usual in such cases emergency communications are always in dire need. Hurricane season is not over yet, so lets all look into our stations and keep them in top operating condition and ready contingency that we may be called on. We wish to thank all the Hams who worked so hard during Camille. The hurricane net on 20 meters is a real public service and these people are a real credit to Amateur Radio.

The final arrangements have been made for the VHF Contest this weekend. So look for the Indian River Amateur Radio Club of Cocoa on six and two meters. Next month we will report on this activity.

Our president, Norm WB4EBH, gave a very interesting talk on insurance and antennas at our club meeting last night.

The I.R.A.R.C. meets at 7:30 PM EDST at the today newspaper auditorium on the second Monday and the fourth Tuesday of every month. Our two meter net meets every Thursday evening at 8:00 PM EDST on 146.502 MHz A.M. All are invited to come to the meetings and also check into the net. 73.

PLAYGROUND A.R.C.

By Jerry Green K4UBR

Hams are not noted for their ability to sit through an discussion quietly but the story unfolded at our last meeting by WB4EQU, WA4EVU, WA4WAX, and WB4REQ about their trip to Biloxi, Miss. (covered elsewhere in this month Skip) kept the members undivided attention and it was broken only by a quiet recommendation that we owed our fellow hams a vote of thanks. The club responded with a spontaneous outburst of applause as all members rose to express our pride in this truly "Ham" effort. A front page story resulted from this discussion and the resultant publicity from this and other stories associated with the tragic story of Camille has given our public service ability a much needed "Shot in the arm".

It is pathetic that such a disaster is needed to bring the people to un-

derstand what we have been telling them all along. If, however the amateurs do not take this golden opportunity to publicize amateur radio and push it back to its proper place in emergency preparedness and civil defense, then it can happen all over again.

Does your county have an effective communications system that could have operated in a disaster as severe and vast as Camille?

Our Veep is acting like all VPs in the USA, just when you need him he goes off on a good will tour (hope they don't stone him in GA) and isn't around to give his long awaited report. But Jack did inspect the van before departing on the river cruise from Ft. Walton to Columbus Ga., and reported that the Metro Van needed a lot of sweat and elbow grease type of labor but would be well worth the club's effort. Bob Reinle, WB4MHO, has accepted the job of getting the van ready for painting and operational. All members agreed, Bob could handle the job well until he surprised us all with his first words as project leader "I'll be out there at ten am Monday morn and expect you all to show up to help!" That's what they call positive thinking!

Look for more ten meter activity from Ft. Walton area as WB4NHH accepts the job of restoring the club antenna to its roof top position. Why not monitor 29560KHZ if you are mobiling HF in Florida like we used to?

Two new club members bring the club rolls to 14 with Tom, WB4EQU, EC of Okaloosa County and John Wingfield, W4TKD. Welcome to Ft. Walton's fastest growing club gang.

SUNCOAST ROVING REPORTER

By Cathy Soehl W4BAV/AREA/ARNS

Your "roving reporter" has really been roving; hence, unable to keep up with all the "doings" on the Suncoast. However, was glad Camille did not hit the West Coast, but sorry to hear the havoc wrought in Mississippi, the Panhandle, etc.

WA4HNY, Tom Murphy, we are sorry to hear, broke 3 ribs sometime ago, but trust he is fully recovered from the accident.

W4GHR, Bill & XYL W4BAV, Cathy Soehl left July 12th for a "round about" trip North. Spent first night in Birmingham, Alabama, then stopped a few hours in Memphis, Tenn. to visit friends. Crossed the Mississippi River, toured Mammoth Cave in Kentucky. Spent a couple nice days with W8CXK, Bill Kingsbury & XYL Lec-

tra, in Blue Ash, Ohio and saw the damage done by a recent tornado in nearby Reading.

Hope to have more interesting news next month.

SOUTHERN SECTION COUNTRY COUSINS

K4GZ, Charlie Louis and W4KTE, Walt Lindner try to keep W4GHR, Bill 2nd Vice President and Project Manager and W4BAV, Cathy Soehl, Secretary, in touch with the "Country Cousins" by regular schedules at 4:30 PM daily on 14260 kc, while they are vacationing on Long Island, NY.

W4CE/W4ZO, George Beck, who checks into the Country Cousins Net when in Florida, held a "clam-bake" at Seatauket, NY. Needless to say everyone put on extra pounds. Among those present were "Cousins" K4TNB, Mac & XYL Flora of Arlington, Va., W4GHR, Bill & W4BAV, Cathy of Sarasota, Fla., W2JNN, Howard Schuler & XYL Alice, K2BGJ, Johnny Burgmaster, XYL Elinor & Harmonic also stopped by to say hi to everyone. Many thanks to W4CE and his cousin Betty.

Trust the "Cousins" accepted the invitation to join the Radio Club of Griffin, Ga. for a get together in early September. Sorry to have missed it.

We were sorry to miss a "scheduled eye-ball" with W4THO, Joe Gray, as we arrived earlier than anticipated and could not wait. Also regretted we could not say hi to W4NLX, Bob Lloyd, when we passed thru Albany, Ga., as could not find his telephone number.

Hope to be back soon.

73, W4BAV/AREA/ARNS

B.A.R.S.

Gene Burton WA4JNW

The Brandon Amateur Radio Society met Monday, September 8 at 8 P.M. Guest speaker for the evening was Mr. Angelo Ditty, F.C.C. Engineer-in-Charge, Tampa. He spoke on "Hams and the FCC, Past, Present and Future." Mr. Ditty, who is a ham, recently moved to Brandon. He did an outstanding job on the subject assigned.

Club attendance is really picking up now that vacations are over. Bill WB4LHF has recently got his Advanced ticket - Congratulations, Bill! There are two or three new novices in town. More on this later.

The Bartow V.H.F. picnic was a great success. Though rain may have held attendance down, everyone had a

good time and almost everyone went away with a prize. See you at the Tampa Hamfest, Lowrie Park, October 12.

ORLANDO RAMBLINGS

Hal W4BKC

Another name was added to the list of SILENT KEYS with the passing of Eugene "Duke" Eggleston, W4HHX at his home in Orlando, on August 28, 1969. He was a member of the Orlando Amateur Radio Club, Inc. "Duke" has been scheduled for corrective surgery to remedy a heart defect at the time of his passing. He will be missed by the ham fraternity.

Bumped into "Ace" WB4AJK the other morning on 2 m, he hadn't been heard from for some time. Problem with water in the coax. Got that squared away and now has his booming sig. Tells me he is getting gear together for slow scan TV.

The O.A.R.C. will have another dinner at the Howard Johnson Motor Lodge on Lee Rd. Some of the local gang will have a busy Saturday-scooting over to Melbourne for their Hamfest, then back at nite to the dinner. If they don't get picked up for speeding that is. Understand the Motor lodge is frantically trying to get their new bar finished so they can serve the "Moonbounce" cocktail. One drink and you see the stars real clearly - from the inside?"

The OARC will elect a new slate of officers this month. Will have the names for you next month.

FLORIDA SIDEBANDERS

By Ted Champagne, WB4FLW

Surprise! We're here again after another short month. School has started again, much to the delight of many of our members, and to the chagrin of a few. This column is going to be short because I have to leave for school in twenty minutes.

The opening of school also brings the opening of the ham bands and the return of vacationers. These two factors account for the end of the summer lull in FSEBA checkins. After more than a month without a quorum of 40 members at a meeting, our weekly checkins have climbed since the last week in August.

Our first vice-president WA4RGO has been as busy organizing, with W4OVE and others, a two meter feeder net system as a part of the Florida Sidebanders' Emergency Net. It will utilize two meter FM and AM systems around the state that will be able to gather information on a coun-

ty, city, or even block-by-block basis. These stations would call into a liaison station for the FSBEN, where the information would be given to the parties or areas that needed it. Al hopes to avoid the veritable confusion concerning ham radio such as wrought by Hurricane Camille just a few short weeks ago.

That brings up my last harangue for the month. Get some emergency power and let your local Red Cross chapter know you will be ready, willing, and able to help in a communications emergency.

See you on 3940 at 2300 GMT this Sunday. All sidebanders are welcome to join the Florida Sidebanders' Association.

WESTERN FLORIDA NEWS

Frank M. Butler, Jr. W4RKH

Hurricane Camille gave traffic totals a boost this month. Luckily damage here was minimum. Several hams from N.W. Fla. went to the disaster area to provide communications, including WA4LBM, W9CTA/4, K4VFY, WA4IMC, WB4EQU, WA4EVU, WB4HEQ, and WA4WAX. I'm sure there were others.

Pensacola: WB4NPZ and WN4NTT are new hams. The FFARA sponsors a WAP Award, contact K4FKV for details. WB4DVM had to have his appendix removed. W4H joined Silent Keys. WB4RHM has a new SB-200.

Fort Walton: K1WYS made top Section score in the June VHF QSO Party, and second place in S.E. Division. WB4NQV received his Tech. ticket, WB4NRM got his General, and W4FDJ and K4HXS moved up to Advanced Class.

Defuniak Springs: K4AVG resumed the Saturday night NCS job on WFPN. Bonifay: K4AVO is second ham in a month to get active from this rare county.

Marianna: WB4NSR, XYL of W4KCA, received her Tech. license. Tallahassee: WA4EOQ is trying to clear up rig trouble. W4MQQ was appointed PAM for HF, and OPS.

Perry: WA4GHE moved here from Madison; he is on 2m FM only at present. K4AVS is active on 75m SSB.

Cross City: WA4CWV is now stationed here; W7NQY was transferred overseas.

FORT MYERS CLUB

By Ken W4SMK

In addition to a visit and talk by SEC W4IYT last month the Ft. Myers

(Continued on Page 8)

It's Back-
Bigger
'n Ever!

JANUARY 17-18, 1970
TROPICAL HAMBOREE
ARRL - SOUTHEASTERN DIV. - CONVENTION
Exhibits - Contests - Meetings

OPEN LETTER

Since I am actively running for the office of SCM for Eastern Florida there might be some facts about me that the readers of Florida Skip might want to know.

I have been licensed for 18 of my 34 years, have held the same call, W4YPX, and hold an Advanced Class ticket. I was licensed in Greensboro, North Carolina, in 1951 and have been active ever since. I held DL4WC, during my Army service in Germany during the fifties.

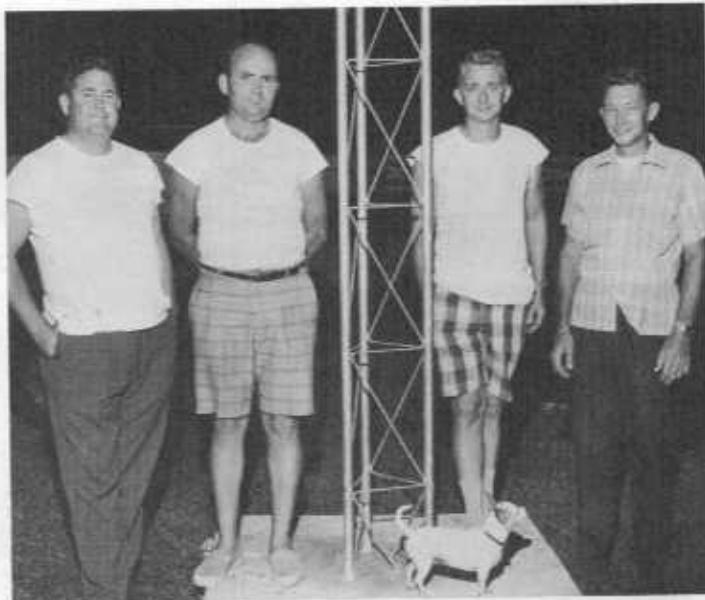
I am a member of the ARRL, the Florida Sidebanders Association and the North Florida Amateur Radio Society, and have been president of the latter group, now serving on the board of directors. As an active traffic handler, I check into all Florida SSB nets and the Gator Net on CW. I operate all modes, 160 through 10, SSB, AM, CW and RTTY, with 2 meter FM, base and mobile.

I attended Duke University where I majored in English and have worked as a producer-director for WFGA-TV in Jacksonville for 13 years.

It is my belief that your representative as SCM should have a variety of interests . . . and be active on the amateur bands, thereby being available to the League members in the state. As Acting SCM for the past several months I have had an opportunity to meet many new people around the state . . . and have tried to keep up with the paperwork. This is difficult for a newcomer to league office, but not an impossible task.

By actively participating in this great hobby and having held positions of responsibility in the past I hope to serve the Florida amateur as an open door to the ARRL, working with other dedicated League Officials.

Sincerely,
Ronald J. Locke
W4YPX
Jacksonville, Florida



YOU'D SMILE TOO if you just finished putting up a 130' tower. Well, W4KCA, Dick Wagner, EC for Jackson, third from left can be proud. With the help of CB'ers Buford Morris and Bill Ostrander and Tom Goldsmith WB4EQU EC Okaloosa County, far right the job was done. The tower is located 8 miles east of Marianna, Fla. on US highway 90. Look for W4KCA's 6 inch call letters on his mail box when you drive by. Dick plans beams of all types plus wire doublets from 130 foot on down.

(Photo by W4IKB)

Hanna Hints...

This month I am going to digress from Ham radio and take a look at electric cars. Much has been written on the subject and every one of the car manufacturers is experimenting with them. There is good reason behind all this work.

For the normal day-to-day driving that 95% of us do, an electric makes an awful lot of sense. The advantages are many. There is very little wear in the stop and go driving, no engine idling like a gas engine; fumes from a gasoline engine are usually very great in idle and not too good in normal running; the fuel costs are quite low; very few moving parts. The big disadvantage is the limited range of the electrics.

Since operating range is the big bug-a-boo, the big look is to improve this figure. American Motors is looking to a turbine drive car with electric power for the short and around-town driving. This is a novel approach as this does away with the fumes and the noise of stop and go but gives plenty of power for high speed turnpike driving. The turbine is not too good for slow speed driving for several reasons.

The other manufacturers are trying to find better batteries. Great strides have been made and batteries are now available with eight times the output of the lead-acid battery. General Motors have their Electrovair which is a conventional Corvair with an electric motor. They claim a speed of 80 MPH and a distance of 100 miles. Ford has taken one of the English Fords and reworked it. Many private individuals are working on electric and always have, for that matter. One outfit has a Renault with a 10 HP motor and about 12-6 volt batteries. This car is said to run at 35 MPH and has a

50 mile radius; that is, it will get itself back from 50 miles out.

Naturally the Electric Power Companies are pushing this because the batteries can be charged from the home circuits and in the late evening when the normal load is very low.

As for the batteries with the great power output, there are several types. One of the most promising is a zinc air unit by General Dynamics. This battery converts the zinc to zinc oxide and is rechargeable. The one Ford is playing with uses hot sodium. While being very efficient, there is the problem of keeping the sodium at the required 450 degrees. Another type uses zinc in which the zinc is consumed and must be replaced. There are other types

also in the works.

Quite a few years will pass before you can walk into your friendly car dealer and drive out in an electric. Ten years from now there should be a few around.

(Ralph Hanna W8QUR/ARNS



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FLAMINGO NET

By Bob WB4JDG

Ever have roaster or more accurately barbecued Flamingo? The Flamingo net is about to hold its annual barbecue and auction which usually means a lot of fun for everyone, the barbecue will be held at Policeman's Park on Nov. 8th.

I have not been active on the air on the net due to vacation, but since I have been back I have heard a little activity on the net and we have had a few check ins from out of state. I guess check ins will start picking up as the season progresses. A few of our members have had sick equipment and at times local regulars have missed checking in as well.

We have had no transmitter hunts lately and we are about due for one so I hope next month I will be able to tell you all about our exciting transmitter hunt. I believe Jeff WB4FHD is to be our hidden transmitter.

Well that's about all for now so until next month when I can be with you again this is Bob WB4JDG saying 73.

QFN REPORT



By Dan Franklin, K4EHY

QFN for August was the same as the rest of this summer:

POOR. QNI 474 QTC 378 QND 1324 Averages: QNI 8.3 QTC 6.6 QND 23.2 minutes for 37 sessions reported. W4ILE compiled statistics for past three years showing that this summer was worst ever. Total QNI was down at least 50% most months of the summer from previous years.

We regret to report the passing of QFN member W4GEE, Dick of Jax. Flowers were arranged from QFN thru W4DVO and W4LDM.

K4LAN lost his antennas in Camille's backlashes, K4SJH is now holding RTTY traffic skeds with W4CUL after many years of fooling around with it. Ham is looking to encourage traffic handling on EFFICIENT RTTY. Still vacation time and WA4SCK and K4IEK took off for parts unknown to get away from it all. School is beginning and we lose many of our summer regulars to the three R's. K4FQP is in Bay Pines Hospital. WA4OHO, Bob, going to Atlanta for three more months of school.

Possibility of changing early QFN to 7PM instead of 6:30 PM EST. Please send your preference and comments by msg or QSO.

Liaison from QFN to SSB nets organized and assignments mostly filled, but its effectiveness not known yet.

This month is beginning of Public

Service Honor Roll. All OPS are reminded to volunteer for different liaison spots and diversify your stations' activities.

Change to Standard time at end of this month. Both sessions to 3651 KC. 73 . . . BT . . . K4EHY . . . AR N.

GATOR NET

August was a good month for Gator Net, better attendance and more business. With average QTC of 8 and average QNI of 7.7 the ratio of QTC to QNI was more than 1. Conditions were good, only for one session was it necessary to QST to 80 meters because of long skip.

While K4VFY/5 was in Mississippi after Camille he was able to send and receive messages all over Florida. K3PIE in Pennsylvania reported in and handled some out of state traffic. WA4SCK JJ delayed the start of his vacation for three days to work night and day moving welfare traffic. We hope he enjoys a well earned rest.

It is a marvel how Henry W4DWI keeps his Braille typewriter and recorder operating and we appreciate his efforts. While attending the Orlando Hamfest, it was an added pleasure for my wife and me to visit his QTH. Henry and his wife give much time to helping other blind people. Great folks!

W4DVO, Cy had a perfect QNI and did a lot of work, including NCS chores. WB4AIW Birch as a liaison station is a real work-horse, always room for one more in his saddle bags.

K4SJH, Ham has added a new outlet channel with his RTTY on 20 meters. He announces he will not have to operate with his grandson on his lap since he got his daughter and family settled in a new home.

That up-and-coming lad, Ted WB4FLW has spent a lot of vacation time on the air, and has agreed to be NCS on Saturdays. WB4LFL reported in 15 times and we hope he can make it more often.

Gator All Florida Traffic Net (GN) meets daily at 1230Z (8:30 AM) on 7115 KHz. Should it happen your call is not heard there, QSY to 3651 KHz. Bring your own coffee and CU 73.

RJ W4EHW Assistant Manager GN

FLA. MIDDAY TRAFFIC NET

By Herb, W4LSR

Continuing our vacation news where we left off in July, your reporter and XYL returned from a most enjoyable two weeks in Pennsylvania where the sweet corn was indescribably delicious. A resume of Ted, WB4CBP's six week Grand Tour left us breathless and envious. If he missed visiting a place that I would like to see, I am at a loss to tell you where it is. Sorry we can't give you a more complete report on Charlie, W4OER and Jerry, WB4KGZ except that they are back with us. Still on vacation are i.j., WA4SCK and Ed, K4EBE who is

due back on Labor Day.

We have good news of Jim, W4KRC who is in the hospital. He is now out of intensive care. We have no further news on Joe, WA4FGH that he too has been in the hospital. I am sure all the Net joins me in wishing them a speedy recovery.

A warm welcome to Dave, WB4IAG in Jacksonville and to Gary, WB4IHI in St. Petersburg who joined out Net in August and welcome back Carl, W4SOM in New Port Richey.

Each year at this time we lose the valuable services of our younger set who take off for schools and colleges. It seems like only a few weeks ago they came home for the summer, and started checking in daily. Now we will hear from some of them on Saturdays and holidays. We will miss you younguns and your cheery voices. Hurry back. Some day you will inherit our beloved hobby. Be kind to it.

The Net held 26 sessions in August. There were 667 checkins who handled 421 pieces of traffic for an average of 16.2 and an average QNI of 26.

TROPICAL PHONE NET

By Ken W4SMK

The TPTN meets daily except Sundays at 2200 GMT on 3945 KHz. See the net totals for last month in Skip's Traffic Hounds Column. The traffic was held up quite good this summer, even though it took a hurricane to stir up some of the boys.

Our reliable "iron man" WA4SCK is off on a well earned vacation. I.J. handled a large share of the Camille traffic going in and out of Fla.

W4ILE is back on the roll call with us, and is also quite active on the CW nets. K4OER is also back with us.

K4QYV, Gary, in Esu Gallie is a newcomer to the TPTN, and puts in a nice signal.

W4FJE is back on the air after being off for several months.

W4YPX, one of our members, is running in the SCM contest for E. Fla. Ron is opposed by John, W4KQJ, and may the best man win.

WA4FGH and W4KRC have both been in the hospital, and we understand that Joe and Jim are both doing well. Hurry back.

W4BNE, WA4RGO, and W4OVE are working with the CD and AREC in the Tampa area. WA4RGO is manager of the mobile emergency net, W4OVE is FSBN manager and W4BNE is EC for Hillsborough Co. TPTN members are really versatile.

Congratulations to all the TPTN people, and others, who pitched in to help during Camille. You can spot an operator who has had training on the regular nets when emergencies occur. They are usually the ones who know what they are doing, how to originate messages in proper form, etc.

SILENT KEYS

We are deeply sorry to record the following silent keys in Florida:

W4FR D.C. Sumerford, Tallahassee

W4GEE, Richard C. Heuer, Jacksonville

W4HHX, Eugene W. Eggleston, Orlando

K4NRT, John Carrico, Arcadia

TOP TWENTY TRAFFIC TAKERS

Each month we are happy to list the top twenty traffic takers in Florida. Next month we hope to see your call here.

1. WB4AIW	621	11. WB4GHD	124
2. K4VFY/4	569	12. W4DVO	124
3. K4EHY/4	414	13. W4FPC	115
4. WB4FLW	346	14. K4DAX	108
5. WB4IHW	268	15. W4YPX	106
6. WA4IJH	242	16. WN4IV	101
7. WA4NBE	186	17. W8BZY/4	101
8. WB4EPD	157	18. W4SDR	98
9. W4ILE	152	19. W4ZAK	98
10. WA4WAR	125	20. W4EHW	82

TRAFFIC HOUNDS

NET	QNI	AVG. QNI	QTC.	AVG. QTC.	SESSIONS
FMTN	677	26	421	16.2	26
Gator	241	7.8	246	7.9	31
FAST	644	24.8	203	7.8	26
QFN	474	8.3	378	6.6	57
FPTN	391	15.0	166	6.4	26
TPTN	532	20.5	145	5.6	26
WFPN	363	20.1	50	2.78	31

Hints & Kinks

Dick Frederick, K4UGC*

Most of the following don't reach down to 2 meters, but this works fine. I tried it. For two meters and MARS, a surplus BC-906 (\$12.00) frequency meter, 143 plus MHz to 149 plus MHz to resonate just add a five picofarad fixed capacitor across the main variable capacitor.

With a Clegg 22er, I feed a known frequency (crystal 7997.2 kc) through a dummy lamp antenna about 6 inches from the BC-906 antenna. You will get a dip about half scale, the lowest part of dip will be dial number 15.7 on the BC-906.

The next dip with a crystal 8060 kc will be 18.4 on 906

dial.

Then put in a crystal 8150 kc for 146.7 MHz and the frequency meter dial will read 21.9.

Draw a line on the frequency chart (That comes with meter) connecting the 3 frequencies and you have a frequency meter for two meter band. 73, AFA-UGC, 460 NW 108th Terr., Miami, Fla.

A lot of you fellows with the "just as good" transceivers are trying to carry three pounds in a two pound sack and the signal sure sounds like it.

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Sec. K4RHL
V.P. W4QBY
Treas. K4WXS

FLORIDORAS



An 'Inboard' Audio Filter

By Robert Patten W4OZF *

Most of the modern transceivers are great for SSB but have one common fault when it comes to CW operation. They lack selectivity. Many types of audio filters have been designed and built for these transceivers, but these also have one common fault. Most are designed to be used at the speaker terminals or phone jack instead of at the output of the product detector. With the outboard type of filter, signals outside its pass band will still develop AGC voltage and reduce the IF and/or RF gain of the transceiver. By putting the filter at the output of the product detector, the pass band of the AGC detector is also restricted.

"Inboard" filters were designed and built for the Galaxy V and Swan 350 transceivers. Each uses two capacitive coupled LC filters followed by common emitter amplifiers to compensate for loss in the filters. Although different coils and capacitors were used for each filter, there is basically no difference between the two.

The filter for the Galaxy V uses two UTC variable inductors with 30% taps. Signal is fed into and taken out at these low impedance taps so that a minimum of loading takes place. With both coils being adjustable, band width and center frequency can each be easily changed.

The filter for the Swan 350 uses two of the popular 88 mh. toroids. Although fixed components are used for this filter, center frequency may be changed by changing the value of both of the .5 mfd. capacitors. Two degrees of selectivity are obtainable by switching in either one or both of the LC circuits.

Bandwidths of less than 100 cycles were obtained with each version of this filter. Both filters were built into their respective transceivers. The filter switch for the Galaxy was mounted on the front panel; the switch for the Swan was placed on the rear apron. This type of filter could be easily adapted to any receiver using a product detector and audio derived AGC. *2311 W. Nassau Drive, Miramar, Florida 33023



EVERYONE AT W4ILE'S QTH has his (or her) own rig. L to R: Angie WB4JJH (General), Reg Jr. WN4KXZ age 12 and Regina WN4KTK age 16. The Kramers live in Miami. ILE is Editor of the QFN Bulletin and is active on most c.w. and phone traffic nets. Congratulations gang!

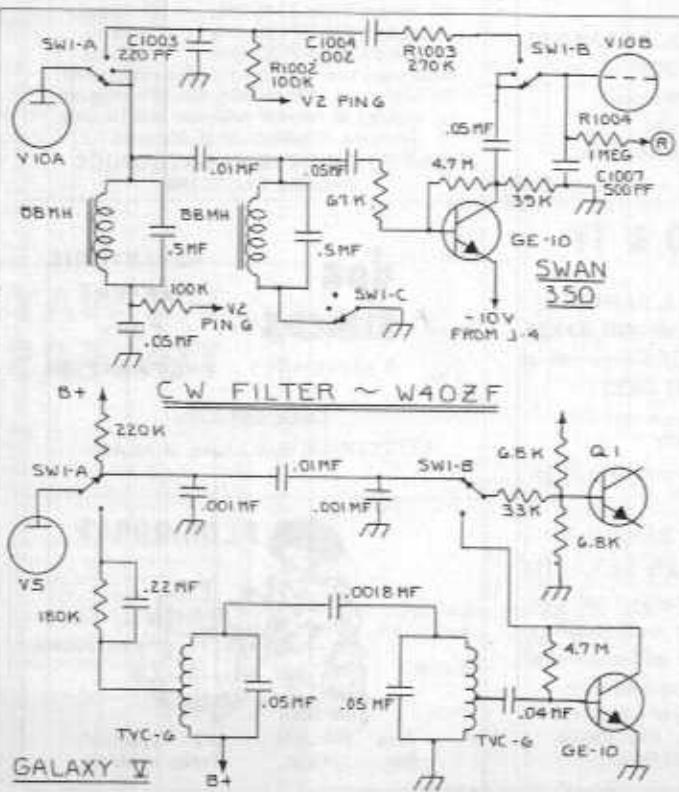
AR, It's Role In K4PI's Life

By FRANK ATLEE

After learning the Morse telegraph code by practicing with his brother in 1911, he purchased a small crystal receiver in the summer of 1912, perhaps after reading about the Titanic disaster. Gradually learned Continental code in 1912-13 in Philadelphia. By the spring of 1913 could copy code at 20 wpm. During 1913 built a loose coupler and bought a crystal detector and Brandeis headphones. Christmas 1913 purchased one inch spark coil, spark gap and key and practiced transmitting without an antenna. February 1914 put up four wire antenna on roof and finally made radio contact with ham friend three quarters of a mile away. March 1914 applied to Baltimore for license and received call 3PI. Friend mentioned above also got license call 3PN (now W4PN). Was on the air for a couple of months with untuned transmitter and was told to QRT by the Philadelphia Navy Yard, Wanamaker's store and several ships in dock in Philadelphia. Discovered much later that the Wanamaker store operator was the famous Tom Appleby, now W3AX and Navy Yard NAI was operated by well known collector and ARRL SCM of South Jersey, Ed Raser. Also made first acquaintance with 3QZ, later 3ZA (finally W4IE) and found he was a college classmate at U. of Pa. They became members of the U. of P. Radio Club. 3PI joined the ARRL in 1921 and accepted traffic from local district manager 3ZS, Charles Stewart of St. David's, Pa. Family moved to a different house in his absence in late 1922. 3PI discontinued ham activities

in January 1923 because of employment by Atwater Kent Mfg. Co., who gave employees BC sets to try out for DX.

While working at RCA Cherry Hill in 1957 fellow employees in Cherry Hill Amateur Radio Club learned there was an ex-3PI in their midst, suggested he get back on the air and learn CW operation. About that time correspondence from W4IE demanded he get back on the air with radiograms saying "what's holding you up," etc. Noted an ad in Philadelphia newspaper of free course in ham radio for beginners or ex-old timers. Signed up for course, took FCC license test for general class license December 1958 and was assigned K2PI under so-called Grandfather's clause. Started assembling Heathkit transmitter and receiver and finally got on the air again January 1962. Joined South Jersey Radio Association and Quarter Century Wireless Assoc. August 1962. September 1963 became editor of South Jersey Radio Association monthly magazine "Harmonics". Resigned as editor in August 1965, remained on Board of Directors the following year and wrote Gossip Column for Harmonics. In early 1968 moved to St. Petersburg Beach, Fla., notified FCC of change of location and applied for call K4PI. Same was issued August 1968. September 1968 back on air with indoor dipole. Now has weekly schedule with two old timer members of SJRA, W2BQ and W2WJ, also occasional schedule and eyeball QSO with K4GT of Tampa. Worked only CW, XYL never a ham, son never got beyond CAP and CD, now in Navy.





Florida SKIP DIRECTORY

Each month you will find the following listings. Keep it handy. ARRL Officials are listed free. Florida Nets are listed free upon notification from net manager. Clubs listed for \$12.00 per year. (Free to clubs taking box ads elsewhere.) Any individual amateur may be listed for \$5.00 a year. (The ones who really care.) Let's fill up this page!

ARRL LISTINGS

Director, S.E. Division
CHARLES BOLVIN K4KO
2210 S.W. 27th Lane
Miami, Florida 33133

Vice Director, S.E. Div.
A.L. HAMEL K4SJH
220 N.E. 25th Street
Pompano Beach, Fla. 33064

Acting SCM E. Fla.
RON LOCKE W4YPX
7306 Arble Drive
Jacksonville, Fla. 32211

SCM West Florida
FRANK M. BUTLER, Jr. W4RKH
323 Elliott Rd., S.E.
Ft. Walton Beach, Fla. 32548

SEC East Florida
ANDY CLARK W4IYT
41 Lenape Drive
Miami Springs, Fla. 33166

SEC West Florida
G.D. McKECHNIE, W4IKB
1000 N. 6th Street
Chipley, Florida 32428

Asst. SEC East Florida
KEN STEWART W4SMK
2267 Maple Ave.
Ft. Myers, Fla. 33901

NET LISTINGS

QFN (All Florida)
630 p.m., 7095 kc.
1000 p.m. kc. daily 3651 kc.
Net Mgrs.: K4LAN/ WB4FSF

FSBA Sundays
6 p.m. on 3940 kc.

FSBEN Wednesday
7:30 p.m. on 3940 kc.

KNIGHTS OF KILOCYCLE,
Sundays
7:30 a.m. on 3910 kc.

GATOR NET (GN)
Daily 8:30 a.m. on 7115 kc.
Net manager: K4COO

TROPICAL PHONE TRAFFIC NET (TPTN)
Daily except Sun., 6 p.m. on
3945 kc.
Net Manager: WB4EPD

FLA. AMATEUR SIDEBAND TRAFFIC NET (FAST) Daily except Sat.
7 p.m. on 3940 kc.
Net Manager: WA4TWD

WEST FLORIDA PHONE NET (WFPN)
6 p.m. on 3957 kc. (2200Z)
Net Manager: W4MQQ

FLA. PHONE TRAFFIC NET Mon. thru Sat.,
7 a.m. on 3945 kc. Net
Mgr: WA4CIO

FLA. MIDDAY TRAFFIC NET
Daily except Sun. at 12 noon
On 7255 kc. Net. Mar. W4SDR

NOVICE HURRICANE NET (NHN) Sat. & Sun.
2:30 p.m. on 7165 kc.
Net Manager: WN4IIV

LAKE OKEECHOBEE TRAFFIC NET
2 Mtrs. 145.2 Mcs.
Wed. 2000 Local
Net Mgr.: WB4BMR

GOLD COAST EMERGENCY NET
6 Mtrs. 50.445 mc Mon. 2000 local
2 Mtrs. 145.23 mc Tues. 2000 local
WB4CKY, EC Broward Co., Mgr.

CLUB LISTING

BROWARD AMATEUR RADIO CLUB W4AB
2nd Wed. of month, 7:30 p.m.
Broward County Courthouse
Mailing Address: P.O. Box 8673
Ft. Lauderdale, Fla. 33310
More info: call 522-2606, 522-5674

LAKE AMATEUR RADIO ASSN., INC., W4YKY
Meets each Thurs., 8 p.m., EST
Clubhouse, Springdale Ave.,
Bassville Pk., between Leesburg
and Tavares, Florida
Mail to Sec., 1270 Sheridan Rd.,
Mount Dora, Fla. 32757
Phone: 383-4548

HILLSBOROUGH AMATEUR RADIO SOCIETY, INC., WA4GJJ
Meets 4th Tuesday, 7:30 P.M.
Odd Fellows Temple
6220 Nebraska Ave., Tampa, Fla.
Mail to: 12112 N. Edison Ave. (33612)
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DADE RADIO CLUB, INC. (W4NVU) 1st & 3rd Tuesday,
Museum of Science 8 p.m.
3280 So. Miami Avenue

Miami, Florida
Mailing address: P.O. Box 73
Biscayne Annex
Miami, Florida 33152

NORTH FLORIDA AMATEUR RADIO SOCIETY W4IZ
2nd Thursday, 7:30 P.M.
Duval CD Headquarters
107 Market Street
Jacksonville, Fla. 32202

ST. PETERSBURG AMATEUR RADIO CLUB, Inc. W4GAC
Meetings: 1st Friday
Azalea Community Center
1400 - 72nd St., No.
Mailing Address: P.O. Box 4026
For information phone:
345-0464 or 826-4294

ORLANDO AMATEUR RADIO CLUB, INC.
3rd Wed., 8:00 p.m.,
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Address: Box 13267,
Orlando, Fla. 32809

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GAINESVILLE AMATEUR RADIO SOCIETY, K4DPZ 1st Tues.
8:00 pm, Alachua CD Headquarters
Basement, County Court House. Mailing Address:
1421 SW 13th Ave., Gainesville, Fla. 32601

TAMPA AMATEUR RADIO CLUB, INC. W4DUG
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7:30 p.m.
Club House: Davis Islands,
Columbus & Barbados
Mailing Address: 943 Cimmeron Ave., Tampa, Fla. 33603

SARASOTA AMATEUR RADIO ASSN. INC.
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8 p.m.
At Sarasota Federal (S. Gate Branch)
Club Call W4IE in memory of
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SOUTH MIAMI RADIO CLUB, Inc. K4JVA
1st & 3rd Friday, 8 P.M.
Kendall Methodist Church
7600 S.W. 104th St., Miami, Fla.
33156
More info call:
446-2478 or 667-4564

FM, THE RM's CORNER

By Dan K4EHY

Whereas local nets and most fone nets are run with the assumption that most of the net stations will be there for every session, or at least most of the sessions, NTS and QFN are organized differently. The majority of the traffic handling is organized into separate functions, which are filled by different individual stations each day. Thus an operator can do quite a lot of regular traffic handling on NTS and limiting his participation to one or two days a week.

We encourage those who have to limit their ham radio operation to volunteer for a one night a week NSC or liaison spot. We have many stations who have held down the same duty once each week for many years and many who only check into the net to perform these assignments.

Those who work shift work can also get into the system by cooperating with one or two other stations to fill a single assignment.

73 . . . BT . . . AR . . . N.

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CONTACT HUGH FOR THE
BEST DEAL ANYWHERE!

SOME AFTER-THOUGHTS ON LIGHTNING

While up at WB8BYX this past July, my home QTH was hit by lightning. Three major hits seem to have occurred: one on the pole transformer, blowing the complete assembly off the pole; (The 7.5 amp fuse was found 100 feet away on the front lawn!), one on the TV antenna and tower; and last, the Southwest pole supporting the rhombic. All antennas to the amateur equipment were disconnected and grounded with no damage to the RF sections. The XYL had been using the TR-4 to monitor my operations at BYX, and left the power cord plugged into the mains. The power supply of the TR-4 was cinderized - and a new word, but adequate. The TR-4 condensers were blown. The B Plus supply for the final amplifier was relieved of all forty diodes in the bridge supply, and the filament transformer for the 4-1000A had blown condensers on the 117 volt side. The interesting thing about this, and the lesson I wish to convey, is that all equipment with fuses contained in the power plugs (Heath monitor scope, etc.) had merely blown fuses, and suffered no damage other than that. All power cords in this QTH now bear fuse-containing plugs.

Of further interest, all base plugs in the house were damaged - some blown completely out of the plastered walls. The color TV was neither plugged in to the AC line nor connected to the antenna, yet had to be degaussed, the AGC and delay lines rebuilt. Starting relays in the deep freeze, washer, drier and refrigerator were welded in the closed position!

I would advise all hams to ground all equipment, and unplug it when leaving it.

(James W. Voorhees
W8EGR/WB8BYX
BARA BULLETIN)

COMING EVENTS

- Oct. 12 Tampa Hamfest
- Oct. 18-19 Dade RCEX-hibit
- Oct. Miami Museum Ballots ARRL SCM and Director. VOTE!
- Nov. 8 Flamingo Net Picnic, Miami
- Jan. 18-19 HAMBOREE, Miami
- April Fla. QSO Party



SHOWN HERE ARE some of the amateurs that attended the First Annual Ham Camporee, held at Royal Park Camping Grounds, Aug. 22-24. A successful idea of WA4YNW and sponsored by Brandon Amateur Radio Club. Shown in back row are: W4NGR and son, W4JKQ, WB4JSI, W4OGQ, W4KCA, K4MXA, WA4YNW and son Dale. (Front row) WA4YNX, WB4NSR, WA4SII, WA4ZFK, and K4MXA boy.

(Photo by W4IKB)



MEET RAY MURPHY, W4BNE of Tampa. Ray is newly appointed EC (Emergency Coordinator) for Hillsborough County and President of the Hillsborough Amateur Radio Society. He can be found on traffic and emergency nets while not working at WFLA-TV. Stop by and say HI to Ray at the Tampa Hamfest.

GRID LEAKS

The other day I was making some uncomplimentary remarks about a particular transceiver when some guy broke in and said, "What do you know about that rig - you never operated one of them". The only thing I could think of to say at the time was, "Maybe I haven't but you seem to forget that you don't have to be a chicken to know when an egg is rotten".

ONYX

SPECIAL QSO PARTY

The first Annual Consolidated Day celebration will be held Oct. 1st, 1969, in the Bold City of Jacksonville.

The re-activated JARS will be joining the city for this celebration by putting W4DU on the air for a 24 hour period both CW and SSB, starting 9 a.m. on the morning of Oct. 1, 1969. Thereafter for three days any amateur in Duval County may be contacted. A special certificate

ELECTRONIC METAL DETECTION

The Electronic Metal Detector is a device used to locate the presence of metallic objects which may be hidden from sight.

The principle of operation is based on the reaction which takes place in the magnetic field of a coil whenever a foreign object is introduced into that field.

Practically, the coil is part of an oscillating circuit energized by either a tube or transistor, and which has a suitable detection circuit to indicate any disturbance of the steady state oscillations.

The most familiar form of metal detector is the military mine-detector which is carried on a long pole ahead of the operator, and indicates the presence of the mine by a change of tone in a headset which he wears.

Industrial metal detectors are usually fixed in position as a conveyor line, the material to be examined is passed through the coil, and the signal generated by the foreign object operates various indicating or control devices.

By utilizing discrete coil configurations and/or frequency selections these devices can be adapted to most metals over a wide range of formulation and size. Objects as small as 0.020" x 1.10" steel are found in some textile applications, and 2" x 3" x 3" manganese "teeth" from power shovels are detected in stone quarries.

There is at present some development of a sophisticated device to detect weapons on the person of prospective airline passengers, while disregarding their change and keys.

(de W4CXL-C.J. Faulstitch
SPARC-GAP)

TAMPA HAMFEST

Hillsborough Amateur Radio Society, Inc., (HARS) TAMPA ANNUAL HAMFEST will be held Sun., Oct. 12, 1969 in Lowry Park, Slight Ave. and North Blvd. Plenty of sheltered swap tables. Lots of free parking. (See ad elsewhere.)

will be issued to all amateurs sending a QSL card for their contact. These cards will be forwarded to the JARS with confirmation and the certificates will be issued.

Come on, you hams, and get one of these Specials.